IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Delaporte, Francis
Title:	PRESSURE SENSOR ASSEMBLY WITH CLOCK MODULE AND MEASURING AND MONITORING MICROPROCESSOR
Application No.:	10/505,340
International Filing Date:	02/20/2003
371(c) Date:	05/10/2005
Examiner:	Allen, Andre J.
Art Unit:	2855
Confirmation No.:	3761

PETITION UNDER 37 C.F.R. § 1.181(a) TO WITHDRAW HOLDING OF ABANDONMENT BASED ON EVIDENCE THAT A REPLY WAS TIMELY MAILED OR FILED

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant hereby petitions for withdrawal of an erroneous holding of abandonment.

Applicant received a Notice of Abandonment, mailed August 9, 2007, indicating that the above-captioned application was abandoned because the Applicant failed to timely file a proper reply to the Office letter mailed on January 29, 2007. The Notice of Abandonment was mailed in error, because Applicant timely responded to the office action on July 27, 2007.

A copy of the Amendment and Reply timely filed on July 27, 2007 with a three month extension of time, a copy of the date stamped return postcard dated July 27, 2007 and a copy of the U.S. Express Mail mailing label are enclosed herewith as Appendix A.

Applicant hereby states that the Notice of Abandonment mailed on August 9, 2007, was issued in error because Applicant filed a timely Amendment and Reply to the Office Action with

a three month extension of time and appropriate fee on July 27, 2007. Appendix B is a copy of Applicant's representative's docketing system showing that an Amendment and Reply was timely filed on July 27, 2007. Appendix C is a copy of the Image File Wrapper web page on the USPTO patent Application Information Retrieval (PAIR) website showing that an Amendment and Reply was timely filed and received by the USPTO on July 27, 2007.

After receiving a Notice of Abandonment, Applicant's representative Kristy Downing contacted the Examiner, Andre Allen, on August 14, 2007. Applicant's representative reported that Examiner Allen agreed that the Notice of Abandonment was issued in error and offered to withdraw abandonment of the application. Appendix D includes a fax sent from Examiner Allen to Kristy Downing showing that the Examiner mailed a Notice of Rescinded Abandonment on August 15, 2007. Further, Appendix E is a transcription of a voicemail message Applicant's representative received from Examiner Allen on October 5, 2007, confirming that the Examiner had rescinded the Notice of Abandonment. An electronic copy of the audio can be made available to the USPTO if requested.

The information contained in Appendix B submitted with this petition is proprietary and is submitted only for the purpose of rendering a decision on the subject petition. It is respectfully requested that, once a favorable decision has been reached, the proprietary information be expunged from the records of the subject application.

In view of the foregoing, Applicant requests the PTO to withdraw the holding of abandonment of this application.

Applicant believes that a petition fee is not required under 37 C.F.R. § 1.181(a) since Applicant contends that the application is not in fact abandoned. *See* M.P.E.P. § 711.03(c) I.

Respectfully submitted,

Date October 9, 2007   By _____

FOLEY & LARDNER LLP   Andrew E. Rawlins
Customer Number: 26371   Registration No. 34,702
Telephone: (414) 297-5576
Facsimile: (414) 297-4900   W. Keith Robinson
                                         Registration No. 59,396

                                         Attorneys for Applicant

The Commissioner is hereby authorized to charge any deficiency or credit any over-payment to Deposit Account No. 19-0741

APPENDIX A

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Title: PRESSURE SENSOR ASSEMBLY WITH CLOCK MODULE
AND MEASURING AND MONITORING MICROPROCESSOR
Inventor: Delaporte, Francis
Appl. No.: 10/505,340   Dkt. No. 026032-4805

- ***Extension for response filed within the third month;***
- Amendment and Reply Transmittal (3 pgs.);
- Amendment and Reply under 37 C.F.R. § 1.111 (17 pgs.);
- Credit Card Payment Form for $1,020.00 (1 pg.).

		Attorney Initials:	09347
Due Date:	04/29/2007		
Date Filed:	07/27/2007	Insp. By:	

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4mo Sck 11-27-07

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[Kristy J. Downing - 026032-4805]

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Delaporte, Francis

Title: PRESSURE SENSOR
ASSEMBLY WITH CLOCK
MODULE AND MEASURING
AND MONITORING
MICROPROCESSOR

Appl. No.:   10/505,340

International
Filing Date: 02/20/2003
Filing Date under
§ 371(c) Date: 05/10/2005

Examiner: Allen, Andre J.

Art Unit: 2855

Confirmation No.: 3761

Mail Stop **AMENDMENT**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND REPLY TRANSMITTAL

Transmitted herewith is an Amendment and Reply in the above-identified patent application.

[X]   Amendment and Reply under 37 C.F.R. § 1.111 (17 pages).

[X]   The fee required for additional claims is calculated below:

	Claims As Amended		Previously Paid For		Extra Claims Present		Rate		Additional Claims Fee
Total Claims:	18	-	25	=	0	x	$50.00	=	$0.00
Independent Claims:	3	-	5	=	0	x	$200.00	=	$0.00
First presentation of any Multiple Dependent Claims:				+			$360.00	=	$0.00
							CLAIMS FEE TOTAL	=	$0.00

[X]   The Applicant hereby petitions for an extension of time under 37 C.F.R. § 1.136(a) for the total number of months checked below:

[ ] Extension for response filed within the first month:	$120.00	$0.00
[ ] Extension for response filed within the second month:	$450.00	$0.00
[X] Extension for response filed within the third month:	$1,020.00	$1,020.00
[ ] Extension for response filed within the fourth month:	$1,590.00	$0.00
[ ] Extension for response filed within the fifth month:	$2,160.00	$0.00
EXTENSION FEE TOTAL:		$1,020.00
[ ] Statutory Disclaimer Fee under 37 C.F.R. § 1.20(d):	$130.00	$0.00
CLAIMS, EXTENSION AND DISCLAIMER FEE TOTAL:		$1,020.00
[ ] Small Entity Fees Apply (subtract ½ of above):		$0.00
Extension Fees Previously Paid:		$0.00
TOTAL FEE:		$1,020.00

A credit card payment form in the amount of **$1,020.00** is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by the credit card payment form being unsigned, providing incorrect information resulting in a rejected credit card transaction, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

If any extensions of time are needed for timely acceptance of papers submitted herewith, the Applicant hereby petitions for such extension under 37 C.F.R. § 1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date _____ July 27, 2007 _____   By _____
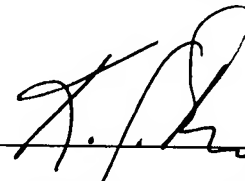
FOLEY & LARDNER LLP
Customer Number: 26371
Telephone: (414) 297-5576
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Kristy J. Downing
Attorney for the Applicant
Registration No. 56,671

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

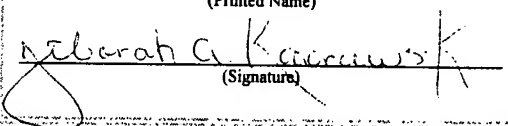|		
Applicant:	Delaporte, Francis	
Title:	PRESSURE SENSOR ASSEMBLY WITH CLOCK MODULE AND MEASURING AND MONITORING MICROPROCESSOR	
Appl. No.:	10/505,340	
International Filing Date:	02/20/2003	
Filing Date under § 371(c) Date:	05/10/2005	
Examiner:	ALLEN, ANDRE J.	
Art Unit:	2855	
Confirmation No.:	3761	

Mail Stop **AMENDMENT**
Commissioner for Patents
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Alexandria, VA 22313-1450

AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.111

This communication is responsive to the Non-Final Office Action dated January 29, 2007, concerning the above-referenced patent application. The Applicant hereby petitions for an extension of time to make this response timely.

Amendments to the Abstract are presented as a new Abstract attached to this document for insertion after the claim pages of the application.

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Amendments to the Specification begin on page 3 of this document.

Amendments to the Claims are reflected in the listing of claims which begins on page 6 of this document.

Remarks begin on page 10 of this document.

Please amend the application as follows:

Amendments to the Specification:

Please amend the specification as follows:

Please replace Paragraph [0002] with the following:

[0002] In order to ensure the safety of automobile vehicles, their tires are fitted with pressure sensors connected by radio to the on-board computer in order to signal any fault. The sensor housed inside the ~~tyre~~ tire is powered by a battery. In order to retain the autonomy of the battery of the sensor, which is inaccessible, this sensor operates only in a cyclical manner, i.e. it has a timing circuit, for activation purposes, which has a very low power consumption and which cyclically activates a microprocessor for a short period, this microprocessor measuring the pressure and temperature and transmitting these measurements by radio.

Please replace Paragraph [0003] with the following:

[0003] A wheel rim carrying the sensor can reach high temperatures in the case of repeated intense braking and the microprocessor of the sensor is thus heated to a temperature of about one hundred degrees ~~Celcius~~ Celsius.

Please replace Paragraph [0006] with the following:

[0006] An earlier solution presented in the application FR 00 12 657 proposes a ~~tyre~~ tire pressure sensor for an automobile vehicle having a module for activating a microprocessor for measuring and controlling radio transmission circuits and temperature-sensitive inhibiting means to inhibit the activation module. This solution consists of using the activation module as a switch for the operation of the microprocessor so that cyclical operation takes place only if the temperature does not exceed a specific threshold.

Please replace Paragraph [0022] with the following:

[0022]   In the first embodiment of FIG. 1 the tire pressure sensor 20 is associated with a power-supply battery 15, a measuring microprocessor 4, also powered by the battery 15 and able to take, by means of a polling function 13, and to process, by means of a monitor 12, measurements of physical variables including the pressure of the tire Pr, the operating temperature .theta..sub.f and other indicative parameters relating to the rotation of the wheel, for example the speed of rotation V.sub.r or the centrifugal force F.sub.r. These physical variables are sensed by an assembly 2 of microsensors, respectively manometric membrane, thermistor, microgyroscope or microaccelerometer or rolling switch. The monitor 12 of the microprocessor 4 controls a radio transmission circuit 5 to communicate, to the vehicle's on-board computer 30, in operating time, the identification ID of the sensor, the measurements collected and possibly certain results of the processing carried out, these data being ~~organised~~ organized in a predetermined frame in order to be transmitted.

Please replace Paragraph [0025] with the following:

[0025]   The ~~organisation~~ organization of the wheel and vehicle assembly lines should now be discussed.

Please replace Paragraph [0035] with the following:

[0035]   The predetermined step of the wheel assembly line which is of relevance in this case can be the step 203 for ~~pressurising~~ pressurizing the tire (inflation) or preferably the wheel-balancing step 204. In this step the activation period can be very short (for example 1 s). Depending on the case the information from the pressure microsensor Pr (manometric membrane) or rotation microsensor (microgryo) Vr or even the centrifugal force sensor Fr (rolling switch, microaccelerometer) is transmitted to the activation module 3 by the connection 11 from the microsensor assembly 2, which causes the microprocessor 4 to be activated via the connection 9. The connections 8, 9, 10 may conform to the protocol SPI (Synchronous Protocol

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Interface). The monitor 12 of the microprocessor initiates the polling function 13 and receives the measurements P.sub.r, .theta..sub.f, V.sub.r therefrom which it transmits to the timing function 7 in order to program the timer 6.

Please replace Paragraph [0038] with the following:

[0038]　The period T.sub.1 is very short, of the order of a few tens of seconds, and the corresponding frames 204 are, for example, transmitted during the period covering the time in which the wheel balancing step is carried out on the wheel assembly line, so as to avoid any ambiguity with the wheels which precede or follow in the assembly line. At the wheel-balancing station 204 processing the wheel at position P in the wheel assembly line 200 a radio receiver 214 is provided receiving the predetermined frame transmitted by the pressure sensor of the wheel P and containing, in particular, the identification IDp of the said sensor. The radio receiver 214 produces a message containing the data P and IDp which it communicates to the diagnostic station 103 responsible for teaching the on-board computer of the vehicles of row V on the vehicle assembly line 100. For each vehicle V the diagnostic station 103 deduces which wheels P are to be fitted to it, for example, by the formulae (2) and to which location L these wheels P of sensor IDp are allocated, for example, by the formulae (1). The radio receiver 214 ~~initialises~~ initializes the diagnostic station 103 which will program the on-board computer of the vehicle V when this vehicle is at the teaching station 102.

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently amended) An assembly, comprising:

a tire pressure sensor for automobile vehicle wheels; ~~and~~

a microprocessor for pressure measurement and for control of a radio transmission circuit,

wherein the <u>tire pressure</u> sensor ~~having~~ <u>has</u> a module for activating the microprocessor <u>that is</u> associated with an activation control timer<s>, wherein the timer</s> <u>that</u> is programmable<u>;</u> and

~~means are provided~~ <u>a feature</u> for programming <s>it</s> <u>the timer</u>.

2.   (Currently amended) ~~Assembly as claimed in~~ <u>The assembly of</u> claim 1, wherein the microprocessor <s>is arranged to program</s> <u>includes the feature for programming</u> the timer.

3.   (Currently amended) ~~Assembly as claimed in~~ <u>The assembly of</u> claim 1, wherein the <s>means</s> <u>feature</u> for programming the timer <s>are</s> <u>is</u> sensitive to a temperature of a tire.

4.   (Currently amended) ~~Assembly as claimed in~~ <u>The assembly of</u> claim 1, wherein the <s>means</s> <u>feature</u> for programming the timer <s>are</s> <u>is</u> sensitive to a pressure of a tire.

5.   (Currently amended) ~~Assembly as claimed in~~ <u>The assembly of</u> claim 1, wherein the <s>means</s> <u>feature</u> for programming the timer <s>are</s> <u>is</u> sensitive to at least one of a speed of rotation and to a centrifugal force caused by a rotation of the wheel.

6.   (Currently amended) ~~Assembly as claimed in~~ The assembly of claim 5, further comprising a radio transmission circuit controlled by the microprocessor, wherein the radio transmission circuit is arranged to transmit ~~frames~~ information containing at least an identification of the sensor at an accelerated rate during balancing of the corresponding wheel being assembled and at a slowed rate when a temperature of the corresponding wheel increases.

7.   (Currently amended) ~~Assembly as claimed in~~ The assembly of claim 1, wherein the timer is mounted in the pressure sensor and is arranged to control a variable-period activation module.

8.   (Currently amended) ~~Assembly as claimed in~~ The assembly of claim 1, wherein the timer is mounted in the microprocessor and is arranged to be controlled by a fixed-period activation module.

9.-15.   (Canceled).

16.   (Previously Presented) A pressure assembly for use with a wheel of a motor vehicle, the assembly comprising:

a tire pressure sensor; and

a processing circuit configured to receive signals from the tire pressure sensor and output data based on the tire pressure, the processing circuit having a periodic operation;

wherein a period of the periodic operation of the processing circuit is variable and comprises a predetermined finite period of time which can be interrupted by occurrence of a predetermined event causing the processing circuit to operate.

17.   (Previously Presented) The assembly of claim 16, wherein the predetermined event is determined based on a gradient in temperature.

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18.   (Previously Presented) The assembly of claim 16, wherein the processing circuit is configured to be controlled to operate at a first rate when a temperature is at a first value and is configured to be controlled to operate at second rate slower than the first rate when the temperature is at a second value higher than the first value.

19.   (Previously Presented) The assembly of claim 18, wherein the processing circuit is configured to be controlled such that when operating at the second rate, the processing circuit is interrupted and will activate upon the occurrence of the predetermined event.

20.   (Previously Presented) A method for operating a tire pressure sensor assembly of a motor vehicle configured to monitor pressure of a tire of the vehicle, comprising:

operating a microprocessor of the tire pressure sensor at a first rate greater than zero; and

operating the microprocessor at a second rate greater than zero in response to a signal received from a sensor that is configured to monitor a parameter of an environment of the tire, the second rate being different than the first rate.

21.   (Previously Presented) The method of claim 20, wherein the second rate is slower than the first rate.

22.   (Previously Presented) The method of claim 20, wherein the parameter of the tire is a temperature of the tire.

23.   (Previously Presented) The method of claim 20, wherein operating the microprocessor comprises controlling the microprocessor with a timer.

24.   (Previously Presented) The method of claim 23, wherein the timer is programmable based on data received from the sensor.

25.   (Previously Presented) The method of claim 20, further comprising operating the microprocessor at a third rate greater than zero in response to a signal received from a second sensor that is configured to monitor a parameter related to the tire, the third rate being different than the first rate and the second rate.

ABSTRACT

A tire pressure assembly includes a tire pressure sensor for automobile vehicle wheels and a microprocessor for pressure measurement and for control of a radio transmission circuit. The sensor has a module for activating the microprocessor associated with an activation control timer. The timer is programmable and the assembly includes a means for programming the timer.

REMARKS

The Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow. Claims 9-15, which were subject to the election of species requirement, have been canceled without prejudice. Claims 1-8 have been amended. No new matter has been added. Accordingly, Claims 1-8 and 16-25 will be pending in the present Application upon entry of this Amendment and Reply.

A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

Allowable Subject Matter

On page 3 of the Office Action, the Examiner indicated that Claims 6 and 18 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The Applicant appreciates the indication of allowable subject matter but has elected not to amend Claims 6 and 18 at this time because the Applicant believes their base claims and any intervening claims to be allowable for the below-stated reasons.

The Examiner provided the following statement of reasons for allowance:

> The cited prior art does not disclose nor suggest wherein a period of the periodic operation of the processing circuit is variable and comprises a predetermined finite period of time which can be interrupted by occurrence of a predetermined event causing the processing circuit to operate and the processing circuit is configured to be controlled to operate at a first rate when a temperature is at a first value and is configured to be controlled to operate at a second rate slower than the first rate when the temperature is at a second value higher than the first value.

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While the Applicant agrees that Claims 6 and 18 recite a combination of subject matter that is patentable over the cited references, the Applicant does not necessarily agree with or acquiesce in the statement of reasons for allowance given by the Examiner. Moreover, the Applicant notes that the recited subject matter as well as various other subject matter and/or combinations of subject matter may be patentable for other reasons than those given by the Examiner. The Applicant expressly reserves the right to set forth additional and/or alternative reasons for patentability and/or allowance with the present Application or in any other future proceeding.

Claim Rejections - 35 U.S.C. § 102(b)

On pages 2-3 of the Office Action, the Examiner rejected Claims 1-8 and 16-25 under 35 U.S.C. § 102(b) as being anticipated by U.S. Pat. App. Publ. No. 2002/0044050 ("Derbyshire").

The rejection is improper. Section 102(b) states that a person shall be entitled to a patent unless "the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States". The Applicant is entitled to an effective filing date of February 20, 2003, as the present Application is a national phase filing of the Applicant's PCT application PCT/FR03/00571. Derbyshire was published on April 18, 2002, i.e., less than one year prior to the Applicant's effective filing date. Therefore, Derbyshire does not qualify as prior art under 35 U.S.C. § 102(b). It is respectfully requested that the rejection be withdrawn.

To the extent the Examiner believes Derbyshire constitutes a reference under 35 U.S.C. § 102(e) the Applicant submits the following remarks in response.

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A.   Claims 1-5, 7, and 8

The Examiner stated that:

> Derbyshire et al teaches a tire pressure sensor 9 10 for automobile
> vehicle wheels (abstract) and a microprocessor 6 19 for pressure
> measurement and for control of a radio transmission circuit 5, the
> sensor 9 10 having a module for activating the microprocessor 6 19
> associated with an activation control timer 100 26, characterized in
> that wherein the timer 26 100 is programmable [0018] and means
> are provided for programming it [0119]. . . .

Claim 1 is in independent form and recites an "assembly" comprising, in combination
with other elements, "a microprocessor for pressure measurement and for control of a radio
transmission circuit," a tire pressure sensor that "has a module for activating the microprocessor
that is associated with an activation control timer that is programmable," and "a feature for
programming the timer." Claims 2-5, 7, and 8 depend from independent Claim 1.

Derbyshire does not teach or suggest such an assembly having a tire pressure sensor that
has a module for activating the microprocessor that is associated with an activation control timer
that is programmable, and a feature for programming the timer. The Examiner asserts that
Derbyshire discloses a "module for activating the microprocessor 6 19 associated with an
activation control timer 100 26, characterized in that wherein the timer 26 100 is programmable
[0018] and means are provided for programming it [0119]." Contrary to the Examiner's
assertion, however, the Applicant finds no indication in Derbyshire that the "timer 26" is
programmable nor an indication in Derbyshire of a feature for programming the "timer 26."
Indeed, the "timer 26" of Derbyshire "functions regardless of whether the transmitter unit 2 is in
'standby' mode or operation mode," and "every two seconds, the timer 26 outputs a wake-up
signal to the microprocessor." See paragraph [0067]. With regard to the "programmable timer
100" of Derbyshire, it is not used for activating a microprocessor, but instead is used to control
the sampling of a received signal from a sensor 2. Consequently, the rejection of Claim 1 over
Derbyshire is improper. Claim 1 is patentable over Derbyshire.

-12-

Dependent claims 2-5, 7, and 8, which depend from independent Claim 1, are also patentable. See 35 U.S.C. § 112, ¶ 4.

The Applicant respectfully requests withdrawal of the rejection of Claims 1-5, 7, and 8.

B.   Claims 16-19

The Examiner stated that:

> Derbyshire et al teaches a tire pressure sensor 9 10 for automobile vehicle wheels (abstract) and . . . a processing circuit 6 9 configured to receive signals from the tire pressure sensor 9 10 and output data based on the tire pressure 9 10, the processing circuit having a periodic operation 26 100; wherein a period of the periodic operation of the processing circuit is variable and comprises a predetermined finite period of time which can be interrupted by occurrence of a predetermined event causing the processing circuit to operation [0119][0122-0123].

Claim 16 is in independent form and recites a "pressure assembly for use with a wheel of a motor vehicle" comprising "a tire pressure sensor," and "a processing circuit configured to receive signals from the tire pressure sensor and output data based on the tire pressure, the processing circuit having a periodic operation." A "period of the periodic operation of the processing circuit is variable and comprises a predetermined finite period of time which can be interrupted by occurrence of a predetermined event causing the processing circuit to operate." Claims 17-19 depend from independent Claim 16.

Derbyshire does not teach or suggest such a pressure assembly with a processing circuit configured to receive signals from a tire pressure sensor and having a periodic operation in which a "period of the periodic operation of the processing circuit is variable and comprises a predetermined finite period of time which can be interrupted by occurrence of a predetermined event causing the processing circuit to operate." Instead, Derbyshire teaches a "timer 26" that outputs a wake-up signal at an interval, such as every two seconds. The "programmable timer

-13-

100" is used to control the sampling of a received signal from a sensor 2, and not to determine a variable period of operation of a processing circuit configured to receive signals from a tire pressure sensor. Moreover, there is no indication in Derbyshire of "a period of the periodic operation of the processing circuit . . . which can be interrupted by occurrence of a predetermined event causing the processing circuit to operate." The rejection of Claim 16 over Derbyshire is improper. Claim 16 is patentable over Derbyshire.

Dependent claims 17-19, which depend from independent Claim 16, are also patentable. See 35 U.S.C. § 112, ¶ 4.

The Applicant respectfully requests withdrawal of the rejection of Claims 16-19.

C.   Claims 20-25

Claim 20 is in independent form and recites a "method for operating a tire pressure sensor assembly of a motor vehicle configured to monitor pressure of a tire of the vehicle" comprising "operating a microprocessor of the tire pressure sensor at a first rate greater than zero" and "operating the microprocessor at a second rate greater than zero in response to a signal received from a sensor that is configured to monitor a parameter of an environment of the tire, the second rate being different than the first rate." Claims 21-24 depend from independent Claim 20.

Derbyshire does not teach or suggest such a method including the step of "operating the microprocessor at a second rate greater than zero in response to a signal received from a sensor that is configured to monitor a parameter of an environment of the tire, the second rate being different than the first rate." The Examiner has provided no indication of any teaching in Derbyshire of these limitations of Claim 20. The rejection of Claim 20 over Derbyshire is improper. Claim 20 is patentable over Derbyshire.

Dependent claims 21-25, which depend from independent Claim 20, are also patentable. See 35 U.S.C. § 112, ¶ 4.

The Applicant respectfully requests withdrawal of the rejection of Claims 20-25.

* * *

It is submitted that each outstanding rejection has been overcome, and that the application is in condition for allowance. The Applicant requests consideration and allowance of all pending Claims 1-8 and 16-25.

The Applicant expressly withdraws any and all claim amendments and remarks made in connection with any related patent application. The Applicant does not intend any prior claim amendment or remark in any related application to have any effect on the prosecution or scope of any claim in the present Application.

The Examiner is invited to contact the undersigned by telephone if it is believed that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

If any extensions of time are needed for timely acceptance of papers submitted herewith, the Applicant hereby petitions for such extension under 37 C.F.R. § 1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.
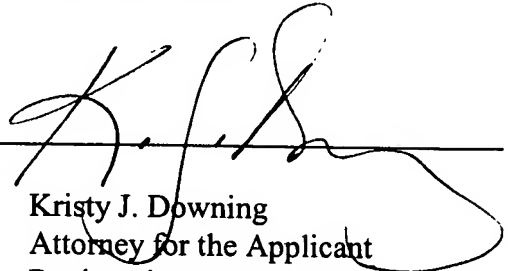
Respectfully submitted,

Date _July 27, 2007_

By _____
Kristy J. Downing
Attorney for the Applicant
Registration No. 56,671

FOLEY & LARDNER LLP
Customer Number: 26371
Telephone: (414) 297-5576
Facsimile: (414) 297-4900

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APPENDIX B

OIPE
OCT 09 2007
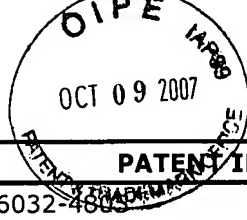
PATENT INFORMATION SHEET

Client/Matter No: 026032-480~~~	**Country:** United States of America
Client: Johnson Controls/AG	**Client Ref:** J0375/US
Billing/Working Attorney(s): Marcus A. Burch; Andrew E. Rawlins; Walter K. Robinson; Nathaniel St. Clair II; Joseph N. Ziebert	
Application No: 10/505340	**Filing Date:** 2/20/2003
Patent No:	**Grant Date:**
Type: Patent	**Status:** Pending
SubType: Regular	**Sub Status:** Published
Convention: Pri. Claimed	**Origin:** PCT
Title: PRESSURE SENSOR ASSEMBLY WITH CLOCK MODULE AND MEASURING AND MONITORING MICROPROCESSOR	
Inventor(s): Delaporte Francis	
Assignee(s): Johnson Controls Automotive Electronics	
Publication No. 1: WO2003/070495	**Publication Date 1:** 8/28/2003
Publication No. 2: 2005-0206512	**Publication Date 2:** 9/22/2005
Office: Milwaukee	**Tax Receiver:** Dennemeyer & Co. Luxembourg
National Date: 5/10/2005	**File Status:**
Notes: Confirmation no. 3761 Assigned by Inventor to Johnson Controls Automotive Electronics on doc dtd 9/6/04 recrd on 9/21/04 at R015157/0110	

Parent Application(s)

Docket Number			Priority Type	Country	Application No	Date
├	027830-3975/FR		Paris Convention	France	02-02201	2/21/2002
l..	027830-3975		PCT National Phase	PCT	PCT/FR2003/000571	2/20/2003
	└	027830-3975/FR	Paris Convention	France	02-02201	2/21/2002

Action(s) and Date(s)

Action	Rem Date	Due Date	Done Date	Notes
Application Date			2/20/2003	
Publ: First			8/28/2003	
18-Month Status Check		8/20/2004	8/20/2004	
Communication Filed			8/27/2004	*
Filing petitions, Declaration/Power of Attorney, Assignment documents enclosed				
Preliminary Amendment Filed			9/21/2004	*
Postcard rec'd. back on 10/1/04				
Assignment Filed			9/21/2004	*
Assigned by Inventor to Johnson Controls Automotive Electronics on Doc dtd 9/6/04 Recrd USPTO 9/21/04 at R015157/F0010				
Notice of Recordation of Assignment Dtd			9/22/2004	*
Assigned by Inventor to Johnson Controls Automotive Electronics on doc dtd 9/6/04 recrd on				

9/21/04 at R015157/0110

Information Disclosure Statement Due		11/20/2004	9/21/2004	*
Postcard rec'd. back on 10/1/04				
4-Month Status Check		1/21/2005	1/21/2005	*
Assignment/IDS filed 9/21/04				
Notice of Missing Requirement DTD			3/10/2005	*
Postcard rec'd back on 5/20/05				
Response to Missing Requirements Due		5/10/2005	5/10/2005	
National Date			5/10/2005	*
Original National Date was 8/20/04-Notice of acceptance rec'd. 6/7/05 changed date to 5/10/05				
Notice of Acceptance DTD			6/7/2005	
Filing Receipt Rec'd DTD			6/7/2005	
Response to Missing Requirements/1st extension		6/10/2005	5/10/2005	
Response to Missing Requirements/2nd Extension Due		7/10/2005	5/10/2005	
Response to Missing Requirements/3rd Extension Due		8/10/2005	5/10/2005	
Response to Missing Requirements/4th Extension Due		9/10/2005	5/10/2005	
Response to Missing Requirements 4 month status check		9/10/2005	6/7/2005	
Projected Publication Date		9/22/2005	9/22/2005	
Publ: Second			9/22/2005	
Response to Missing Requirements/5th Extension - FINAL		10/10/2005	5/10/2005	
36-Mo. Status Check		2/20/2006	2/20/2006	
42-Month Status Check		8/20/2006	8/18/2006	*
08/18/2006 10:57:36 AM CST - Marcus A. Burch - Instruction: Status Check Done - Dialog: docketed to examiner in January. No action taken yet.				
Restriction 1-Mo DTD			10/16/2006	
Response to Restriction Requirement Received at PTO			11/16/2006	
Response to 1-Mo Restriction Due		11/16/2006	11/16/2006	
Response to 1-Mo Restriction / 1st Extension Due		12/16/2006	11/16/2006	
Response to 1-Mo Restriction / 2nd Extension Due		1/16/2007	11/16/2006	
3-Mo Office Action DTD			1/29/2007	
Response to 1-Mo Restriction / 3rd Extension Due		2/16/2007	11/16/2006	
48-Month Status Check		2/20/2007	10/19/2006	*
1-Mo Rst. recd dtd 10/16/06				
Response to 1-Mo Restriction / 4th Extension Due		3/16/2007	11/16/2006	
Response to Restriction Filed - 4 month status check		3/16/2007	1/29/2007	
Response to 1-Mo Restriction / 5th Extension Due - FINAL		4/16/2007	11/16/2006	

Response Due		4/29/2007	4/30/2007	*
04/30/2007 02:14:27 PM CST - Desiree M. Procopio Instruction: Extend to Next Date				
Response / 1st Extension Due		5/29/2007	5/29/2007	*
5/29/07 - M. Kile - Instruction: Extend to Next Date - Reminder for request for instructions send on 5-21- 07 by MMK - 5/21/07 - K. Downing - Dialog: Request for instructions from client sent on 4-30-07 by MMK.				
Response / 2nd Extension Due		6/29/2007	7/3/2007	*
07/03/2007 10:06:30 AM CST - Marcus A. Burch Instruction: Extend to Next Date				
Response to 3-Mo Office Action Received at PTO			7/27/2007	
Response / 3rd Extension Due - FINAL		7/29/2007	7/27/2007	
Notice of Abandonment Dtd			8/9/2007	
Confirm receipt of the return postcard or check PAIR		8/26/2007	8/6/2007	*
Amendment filed at PTO on Jul 27 2007 3:45PM - Rec`d pc back from USTPO on 8/6/07				
Notice of Abandonment Received		9/24/2007	8/27/2007	*
08/27/2007 06:26:39 PM CST - Marcus A. Burch Instruction: Appropriate Action Taken Dialog: Notice rescinding abandonment sent by PTO.				
Petition to Revive Due - FINAL		10/9/2007		
Response Filed - 4-Mo status check		11/27/2007	8/13/2007	
Notice of Abandonment / 1-Yr Status Check		8/9/2008		

Foley & Lardner LLP IP Data Version 2.2.72, 1.0.40

APPENDIX C

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ⓘ Order Certified Application As Filed   Order Certified File Wrapper

| 10/505,340 | Pressure sensor assembly with clock module and monitoring microprocessor |

| Select New Case | Application Data | Transaction History | Image File Wrapper | Continuity Data | Foreign Priority | Pu Doc |

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11-16-2006	Status Letter Mailed to Applicant	2		
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	Restriction/Election	
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08-20-2004	<u>Documents submitted with 371 Applications</u>	6

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APPENDIX D

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FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
KRISTN Dowininh	Andre Allen

COMPANY:	DATE:
	8-28-07

FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
414 297 4900	2

PHONE NUMBER:	PHONE NUMBER:
	5712722174

RE:	FAX NUMBER:

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Attorney Docket # [　　　　　　　　　] [Search]

Bar Code # [　　　　　　] [Search]

[Appln Info] Contents [Petition Info] [Atty/Agent Info] [Continuity/Reexam] [Foreign Dat]

Date	Status	Code	Description
08/15/2007		FWDX	DATE FORWARDED TO EXAMINER
07/27/2007	71	A...	RESPONSE AFTER NON-FINAL ACTION
07/27/2007		XT/G	REQUEST FOR EXTENSION OF TIME - GRANTED
08/15/2007	41	MNRAB	MAIL NOTICE OF RESCINDED ABANDONMENT
08/15/2007	41	NRAB	NOTICE OF RESCINDED ABANDONMENT IN TCS
08/09/2007		MABN2	MAIL ABANDONMENT FOR FAILURE TO RESPOND TO OFI
08/06/2007	161	ABN2	ABANDONMENT FOR FAILURE TO RESPOND TO OFFICE A
09/21/2004		IDSC	INFORMATION DISCLOSURE STATEMENT CONSIDERED
09/21/2004		WIDS	INFORMATION DISCLOSURE STATEMENT (IDS) FILED
01/29/2007	41	MCTNF	MAIL NON-FINAL REJECTION
01/22/2007	40	CTNF	NON-FINAL REJECTION
11/21/2006		FWDX	DATE FORWARDED TO EXAMINER
11/16/2006	71	ELC.	RESPONSE TO ELECTION / RESTRICTION FILED
	41	MCTRS	MAIL RESTRICTION REQUIREMENT

**** （08/15/2007 row）****

APPENDIX E

<u>Transcription of voicemail message left by Examiner Andre Allen on October 5, 2007</u>

Hi Kristy, this is Examiner Andre Allen returning your phone call from yesterday regarding case serial number 10/505340. I looked on my amended docket. The case is actually on my amended docket for me to complete within the next, actually [] in the next two, four weeks I should have it completed. I don't why the rescind is not showing up on PAIR.

However, I don't know if there is a contact number to call PAIR or whatever, but it should be on there because the case is already clear for me to respond to your office action. You could call the electronic business center at 866-217-9197 and I think they should be able to help you as to why it isn't showing up on PAIR but everything did clear and is set for me to respond to your response.

All right. If you have any other questions, just give me a call 571-272-2174, Thank you.